

Amendments to the Specification:

Please replace the paragraphs beginning on page 5, line 20, and ending on page 5, line 31, which starts with “- separate routing of the excess gas phase and the...” with the following amended paragraphs:

- - separate routing of the excess gas phase and the liquid fraction into a separator, which may include a high pressure separator, outside the reactor; and
- adjustment of the pressure in the reactor and the level in the ~~high pressure~~ separator, by adjustment of gas flow rate and the liquid flow rate leaving the ~~high pressure~~ separator.

The use of a gas siphon type of reactor connected to a separator, such as a high pressure separator, enables one to regulate the pressure and the level in the reactor in a simple way, while ~~benefiting~~ benefitting from the advantages provided by this type of reactor.--

Please replace the paragraphs beginning on page 7, line 7, and ending on page 7, line 14, which starts with “- a high pressure separator outside the reactor...” with the following amended paragraphs:

- - a separator, which may include a high pressure separator, outside the reactor and connected to the upper region of the reactor, so as to separately route the excess gas phase and the liquid fraction into the separator; and
- means of adjusting the gas flow rate and the liquid flow rate leaving the ~~high pressure~~ separator, so as to regulate the pressure in the reactor and the level in the ~~high pressure~~ separator.--

Please replace the paragraph beginning on page 10, line 3, which starts with "A filter 36, intended to retain the particles of..." with the following amended paragraph:

--A filter 36, intended to retain the particles of solid catalyst, that may be carried over, is placed at the inlet to the lateral branch pipe 32, at the level of the flared upper part 12c of the jacket 12 of the reactor. As is better illustrated in Figure 2, this filter 36 is mounted on a detachable tubular support 38, normally received in a sealed fashion in the lateral branch pipe 32. The seal is provided, for example, by means of O-ring seals 40 and 41. The liquids collected through the lateral branch pipe 32 leave the reactor through an overflow pipe 42, fitted onto a hole 44 formed in the tubular support 38. The bottom of this hole 44 determines the level N of the liquid in the upper region 30 of the reactor 10.--

Please replace the paragraph beginning on page 10, line 25, which starts with "Referring once again to Figure 1, it can be seen..." with the following amended paragraph:

--Referring once again to Figure 1, it can be seen that the installation comprises additionally, outside the reactor 10, a ~~high pressure~~ separator 52 into which the pipes 42 and 48 emerge respectively carrying the liquid and gaseous phases coming from the reactor. More precisely, the relative fitting of the lateral branch pipe 32 and the ~~high pressure~~ separator 52 is such that the liquid phases leaving the reactor 10 flow into the separator under gravity.--

Please replace the paragraph beginning on page 11, line 1, which starts with "The liquid phases from the high pressure separator..." with the following amended paragraph:

--The liquid phases from the ~~high pressure~~ separator 52 flow under gravity into the bottom of it, through a pipe 54 controlled by valve 56.--

Please replace the paragraph beginning on page 11, line 7, which starts with "This arrangement enables one effectively to..." with the following amended paragraph:

--This arrangement enables one effectively to control the pressure and the level in the reactor 10 and in the ~~high pressure~~ separator 52, by acting on both valves 56 and 60.--

Please replace the paragraph beginning on page 12, line 29, and ending on page 13, line 5, which starts with "Conforming to the invention, maintaining the..." with the following amended paragraph:

--Conforming to the invention, maintaining the pressure in the reactor 10 and the level in the ~~high pressure~~ separator 52 is achieved efficiently by acting on both valves 56 and 60. The adjustments made in this way enable one effectively to control the pressure in the reactor, because the fluctuations in the level measurements and the pressure measurements are attenuated in the separator 52 in comparison with the reactor (fluctuations in level and in pressure in the reactor are due to bubbling caused by the gas).--